2-72 Fiber Indoor/Outdoor Dry Loose Tube Aluminum Interlocking Armored Cable, Plenum

Features and Benefits

- Provides superior crush resistance for added protection
- Eliminates the need for inner duct or conduit thus saving installation time
- OFCR and OFCP ratings allow AIA products to be installed throughout the facility

Description

TLC 2 to 72 fiber Dry Loose Tube Aluminum Interlocking Armored cable consists of PVC overall jacket, PVC inner jacket with 2 to 72 colored fiber, water swellable yarn surrounded by water blocking yarn acting as a strength member.

The core is protected by a spirally-wrapped aluminum strip that offers easy installation and high crush resistance. These cables are available in OFCP rated constructions.

Application

- Plenum
- Duct

Flame Rating

NFPA262
**SPECIFICATIONS**

### Mechanical Characteristics

<table>
<thead>
<tr>
<th>Standards/ Value</th>
<th>Nominal Outer Diameter (2-12, 24-48, 72) (mm)</th>
<th>Bend Radius (2-12, 24-48, 72) (cm)</th>
<th>Weight (2-12, 24-48, 72) (lbs/ km)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>13.0/ 16.2/ 19.4</td>
<td>26.0/ 32.4/ 38.8</td>
<td>358/ 532/ 730</td>
</tr>
</tbody>
</table>

### Optical Characteristics

<table>
<thead>
<tr>
<th>Items</th>
<th>Single Mode</th>
<th>InfiniCor 300</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Size</td>
<td>9 um</td>
<td>62.5 um</td>
<td>50 um</td>
<td>50 um</td>
<td>50 um</td>
</tr>
<tr>
<td>Wavelength</td>
<td>(1310/ 1550) nm</td>
<td>(850/ 1300) nm</td>
<td>(850/ 1300) nm</td>
<td>(850/ 1300) nm</td>
<td>(850/ 1300) nm</td>
</tr>
<tr>
<td>Max. Attenuation</td>
<td>0.4 dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
<td>(3.5/ 1.5) dB/ km</td>
</tr>
<tr>
<td>Bandwidth (EMB) (High Performance)</td>
<td>220 MHz @850nm</td>
<td>850 MHz @850nm</td>
<td>2000 MHz @850nm</td>
<td>4700 MHz @850nm</td>
<td></td>
</tr>
<tr>
<td>Link Length (10Gb/ s)</td>
<td>–</td>
<td>–</td>
<td>150 mtr</td>
<td>300 mtr</td>
<td>550 mtr</td>
</tr>
</tbody>
</table>

### Part Numbers

<table>
<thead>
<tr>
<th>Fiber Count</th>
<th>Single Mode</th>
<th>InfiniCor 300</th>
<th>OM2</th>
<th>OM3</th>
<th>OM4</th>
</tr>
</thead>
</table>

### Fiber Type (9/125) **

- SMF-28 Ultra: CZ
- ClearCurve LBL: C7
- ClearCurve ZBL: CC

### Fiber Type (50/125) **

- ClearCurve OM2: C2
- Clear Curve OM3: CG
- ClearCurve OM4: C4

### Fiber Type (62.5/125) **

- InfiniCor 300: C3

Specifications are subject to change without notice.

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**Contact Information**

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